



Devine Tarbell & Associates, Inc.  
Consulting Engineers, Scientists, & Regulatory Specialists

**Stephenie D. Swiezynski**  
**Environmental Scientist**

**Education**

B.A. Environmental Science & Policy  
University of Southern Maine, 1998

**Registrations and Professional Affiliations**

Maine Association of Wetland Scientists: Secretary  
Society of Wetland Scientists: Member

**SUMMARY OF EXPERIENCE**

Ms. Swiezynski has over 6 years of experience conducting various ecological studies involving wetland delineation, floral and faunal studies and monitoring, plant surveys for rare, threatened, endangered and invasive species, water quality monitoring, and environmental permitting and reporting. She has extensive experience in various phases of linear utility development projects, from environmental field surveys, environmental assessment, and permitting, to post-construction vegetation monitoring and mitigation. In addition, she has experience conducting feature field mapping using a Trimble Pathfinder ProXR GPS instrument, and downloading, differentially correcting, and analyzing data using Pathfinder Office. She is capable of creating and manipulating GIS data layers for project mapping and feature analyses using ArcView GIS.

**1.2 Environmental - Terrestrial Resources**

Ms. Swiezynski has over 6 years of experience conducting various ecological studies involving wetland delineation, floral and faunal studies and monitoring, and environmental permitting and reporting. She has extensive experience in various phases of linear utility development projects, from environmental field surveys to environmental assessment and post-construction vegetation monitoring and mitigation. Ms. Swiezynski possesses advanced skills and training necessary for surveying and identifying vegetation in various ecosystems throughout the United States including palustrine forested, scrub-shrub, and emergent wetlands; bogs; forested, scrub-shrub, and herbaceous uplands; and northeastern deciduous forests. She is also knowledgeable and capable of identifying state- and Federally-listed rare, threatened, and endangered plant species and non-native invasive species.

**1.3 Environmental - Specialty Areas**

Ms. Swiezynski has experience conducting feature field mapping using a Trimble Pathfinder ProXR GPS instrument, and downloading, differentially correcting, and analyzing data using Pathfinder Office. She is capable of creating and manipulating GIS data layers for project mapping and feature analyses using ArcView GIS.

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**RELEVANT PROJECT EXPERIENCE**

**1.2 Environmental - Terrestrial Resources**

***Connectiv Transmission Line Project, Delaware*** - Ms. Swiezynski conducted environmental field surveys to identify and delineate wetlands and water resources along a proposed 90-mile transmission line corridor throughout the state of Delaware. Federal jurisdictional wetlands were identified and delineated based upon the 1987 USACE Manual. Wetland community typing, plant identification, and soil

classification procedures were used to assess each wetland.

***Londonderry 20-Inch Replacement Project, Massachusetts and New Hampshire, Tennessee Gas Pipeline Company*** - Ms. Swiezynski participated in a post-construction wetland monitoring program along a 19.3-mile pipeline expansion/replacement project. The Relevé method of vegetation sampling was used to conduct research on the regrowth and health of vegetation. During the project, Ms. Swiezynski

monitored rare, threatened, and endangered plant species sites. After data collection was complete, she assisted with the writing, preparation, and submittal of reports to state and federal agencies.

***Vegetation Monitoring Program, Massachusetts, Vermont, New Hampshire, and Maine, Portland Natural Gas Transmission System*** - Ms. Swiezynski participated in a post-construction upland and wetland monitoring program along an approximately 292-mile long natural gas pipeline in Massachusetts, New Hampshire, Vermont, and Maine for two consecutive years as Field Crew Leader, and as Project Manager for the third year. The Relevé method of vegetation sampling was used to conduct research on the regrowth and health of vegetation. During the project, Ms. Swiezynski also monitored and assessed rare, threatened, and endangered plant communities onsite. After data collection was complete, she assisted with the writing, preparation, and submittal of reports to state and Federal agencies.

***Northwinds Pipeline Project, Erie, Pennsylvania, National Fuel Gas*** - Ms. Swiezynski conducted environmental field surveys to identify and delineate wetlands and water resources along a 55-mile section of the pipeline corridor in Pennsylvania and New York. Federal jurisdictional wetlands were identified and delineated based upon the 1987 USACE Manual. Wetland community typing, plant identification, and soil classification procedures were used to assess each wetland.

***Wetland Delineation, New Hampshire and Maine, NiSource/Granite State Gas Transmission (GSGT)*** - Ms. Swiezynski delineated wetlands along discrete sections of NiSource/GSGT's right-of-way for a natural gas pipeline maintenance project. All wetlands were delineated in accordance with the 1987 Army Corps Manual for Delineation of Jurisdictional Wetlands. She also collected GPS data of delineated wetland boundaries.

***Upland Habitat Management Program, Lowell, Massachusetts, Massachusetts Division of Fish and Wildlife*** - Ms. Swiezynski conducted field surveys to document vegetation in reclaimed early-successional and mature forest habitats on two 1,500-acre wildlife management areas.

***Nationwide Wetland Assessments, Federal Energy Regulatory Commission*** - Ms. Swiezynski performed inspections of several pipeline projects throughout the conterminous United States (e.g., Maine, Mississippi, northern Minnesota, northern California, Colorado, and

Nevada) to study the post-construction condition of wetlands along the pipeline right-of-way. Data collected as part of FERC-sponsored nationwide study of wetland revegetation success to be used in conjunction with revisions to FERC Plan and Procedures. Several parameters examined during the study include restoration of grade and hydrology, affects of topsoil segregation, and negative impacts to wetland areas caused by the implementation of various construction techniques.

***Malden Mills Pipeline Project, Berlin, New Hampshire, CHI Engineering*** - Ms. Swiezynski assisted with field surveys conducted to delineate, characterize, and photo-document the wetlands, streams, and wildlife habitats in northern New Hampshire.

***Mill Brook Salt Marsh Restoration Project, Scarborough, ME, U.S. Fish and Wildlife Service - Gulf of Maine Program*** - Ms. Swiezynski performed salt marsh restoration monitoring for the approximately 350-acre section of Scarborough Marsh. Monitoring activities included a quantitative assessment of hydrology, salinity, vegetation, and nekton (i.e., fish and mosquito larvae); an overall assessment of site conditions; and, notation of the presence of invasive species. Specifically, monitoring involved cover type mapping, site assessments, photographic documentation of site conditions, vegetation sampling, nekton/mosquito sampling, tidal signal, and nutrient load analysis. She also prepared annual report documenting study results for USFWS.

***Weskeag Salt Marsh Restoration Project, South Thomaston, ME, U.S. Fish and Wildlife Service - Gulf of Maine Program*** - Ms. Swiezynski performed tasks involving salt marsh restoration monitoring, field data collection, and report preparation. Collected data associated with cover type mapping, topographic surveys, water quality sampling, water level monitoring, and pore water salinity sampling for the 62-acre site. She also monitored 2 construction sites for problems associated with soil erosion, inadequate hydrology, and re-vegetation.

***Snake Hollow Watershed Restoration Project, Wayne National Forest, Ohio, U.S. Forest Service*** - Ms. Swiezynski conducted field surveys for the preparation of a Biological Evaluation documenting the potential affects of implementation of acid mine drainage (AMD) remediation project on Federally-listed endangered and threatened species and regional forest sensitive species. Surveys were conducted to document the findings of the small whorled pogonia, northern wild monkshood, timber rattlesnake, green

salamander, eastern woodrat, and American burying beetle.

***Cape May Rare Plant Survey, Cape May, New Jersey, U.S. Army Corps of Engineers, New York District*** - Ms. Swiezynski assisted with surveys for Federal and state-listed plant species for the Lower Cape May Meadows/Cape May Point Environmental Restoration Project in Cape May County, New Jersey. The survey resulted in observations of 11 state-listed species at several hundred individual locations. The survey results were used to develop a *Phragmites* removal plan and protected plant mitigation strategies.

***Species Viability Evaluations, Wayne National Forest, Ohio, U.S. Forest Service*** - Ms. Swiezynski prepared species data collection forms for 11 plant species of concern. The forms summarized an exhaustive search of the literature pertaining to each species on three spatial scales. The rangewide, regional (local ecoregion), and planning area scales were evaluated to determine distribution, population status, and identify existing and potential threats to species viability.

***Dike Restoration Wetland Permitting Project, Louisville, New York, New York Power Authority*** - Ms. Swiezynski assisted with aerial photo-interpretation and field verification and wetland delineation surveys, wetland functions and values assessments, preparation of a Wetland Delineation/Wetland Functional Assessment Report for permit submittal, and preparation of a wetland monitoring plan.

***Gopher Tortoise Monitoring Program, Laurel, Mississippi, Petal Gas 60-Mile Pipeline Construction*** - Ms. Swiezynski performed duties as endangered species and environmental monitor along the pipeline right-of-way during active construction. She surveyed areas along pipeline right-of-way for the presence of the endangered gopher tortoise (*Gopherus polyphemus*) and associated burrows, documented findings, and ensured gopher tortoise safety during construction activity. She also worked closely with other environmental monitors and inspectors to ensure compliance with Federal and state regulations.

***Petal Gas Storage Cavern #8, Mississippi, Petal Gas Storage, L.L.C.*** - Ms. Swiezynski performed an environmental field survey including the identification of RTE species habitat and the delineation of wetlands and water resources on a natural gas storage cavern site on the Petal Salt Dome in Mississippi. In addition, she

prepared various sections of the FERC Environmental Report for the project.

***Fire Island Reformulation Project, Fire Island, New York, U.S. Army Corps of Engineers, New York District*** - Ms. Swiezynski assisted with biological baseline surveys and data collection for small mammals, landbirds, shorebirds, and waterfowl encompassing 25 miles of barrier island habitat. Modified belt transect and observation survey methods were used.

### **1.3 Environmental - Specialty Areas**

***Wildlife Management Areas Mapping Project, throughout Maine*** - Ms. Swiezynski assisted in the preparation of over 40 maps for seven Wildlife Management Regions throughout Maine. Information provided on the maps includes Wildlife Management Area boundaries, camping area and boat launch sites, and topographical, hydrological, and transportation features. Hardcopy maps were prepared for statewide distribution.

***Durham River Park Project, Durham, Maine, Durham Conservation Commission*** - Ms. Swiezynski performed duties as the Field Technician and assisted with Phase I cultural resources survey.

***Town of Nichols Gas Franchise Project, Nichols, Tioga County, New York, New York State Electric and Gas Corporation*** - Ms. Swiezynski performed duties as the Field Technician and assisted with Phase I cultural resources survey.

***Town of Erwin 115 kV Electric Transmission Line Project, Erwin, Steuben County, New York, New York State Electric and Gas Corporation*** - Ms. Swiezynski performed duties as the Field Technician and assisted with Phase I cultural resources survey.

***Saranac River Hydroelectric Project, Saranac River, Clinton County, New York, New York State Electric and Gas Corporation*** - Ms. Swiezynski performed duties as the Field Technician and assisted with Phase I cultural resources survey.

***Mitchell Heights Subdivision Project, Scarborough, Maine, ERA Agency 1*** - Ms. Swiezynski performed duties as the Field Technician and assisted with Phase IA/IB cultural resources survey.

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**Specialized Training and Certifications**

2001-2003 Maine Natural Areas Program, Volunteer for Invasive Plant Survey

2001, 2002 OSHA 8-Hour Safety Training Refresher Course

2000, Wetland Evaluation Technique; U.S. Army Corps of Engineers

2000, OSHA 40-Hour Safety Training Certification

1998, Lead Abatement Training